



59157.8007.US01 Fusion Proteins for Targeted Delivery of Antimicrobial Peptides).ST25.txt  
SEQUENCE LISTING

<110> THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

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Chen, Li  
Anderson, Maxwell  
Qi, Fengxia

<120> ANTI-MICROBIAL TARGETING CHIMERIC PHARMACEUTICAL

<130> 59157.8007.US01

<150> US 09/910,358

<151> 2001-07-19

<150> US 09/378,577

<151> 1999-08-20

<160> 31

<170> PatentIn version 3.1

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accactcgca cagaggatac tctggtggcg gtggctcggg cggaggtggg tcgggtggcg      180
gcggatccga cgtgaagctt gtggagtctg ggggaggctt agtgaaccct ggaggggtccc      240
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gccagactcc ggagaagagg ctggagtggg tcgcatccat tagtagtggt ggtacttaca      360
cctactatcc agacagtgtg aagggccgat tcaccatctc cagagacaat gccaagaaca      420
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Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu  
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Lys His His Ser His Arg Gly Tyr  
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Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu  
1 5 10 15

Lys His His Ser His Arg Gly Tyr Ser Gly Gly Gly Gly Ser Gly Gly  
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Gly Gly Ser Gly Gly Gly Gly Ser Asp Val Lys Leu Val Glu Ser Gly  
35 40 45

Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala  
50 55 60

Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met Ser Trp Val Arg Gln Thr  
65 70 75 80

Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly Gly Thr  
85 90 95

Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg  
100 105 110

Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu Lys Ser  
115 120 125

Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp Gly Ser Tyr Gly  
130 135 140

Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr  
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Val Ser Ser Ala Ser  
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Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Val  
20 25 30

Lys Leu Val Glu Ser Gly Gly Gly Leu Val Asn Pro Gly Gly Ser Leu  
35 40 45

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met  
50 55 60

Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser  
65 70 75 80

Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly  
85 90 95

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln  
100 105 110

Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg  
115 120 125

Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly  
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<223> Primer 987

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tccag 65

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Gly Arg

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<400> 17

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<212> DNA
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<223> Reverse primer 8

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<210> 26

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<212> DNA

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<223> Linker 2

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ggtggcacta gt

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